Claim 25 (previously presented): The Gm-C filter defined in Claim 24, wherein the first cutoff frequency is substantially equal to the second cutoff frequency.

Claim 26 (previously presented): The Gm-C filter defined in Claim 24, wherein the first compensation resistance is effective to compensate for a bandwidth limitation of the first OTA device and the second compensation resistance is effective to compensate for a bandwidth limitation of the second OTA device.

OK to enter KL 3/23/07

Claim 27 (currently amended): The Gm-C filter defined in Claim 24, wherein the first reactive device comprises a first capacitor and [[a]] the second reactive device comprises a second capacitor.

Claim 28 (previously presented): The Gm-C filter defined in Claim 27, wherein the first compensation resistance comprises a first compensation resistor having a first resistance value that is inversely proportional to the tangent of a phase-shift at a first compensation frequency and wherein the second compensation resistance comprises a second compensation resistor having a second resistance value that is inversely proportional to the tangent of a phase-shift at a second compensation frequency.

Claim 29 (previously presented): The Gm-C filter defined in Claim 28, wherein, at the compensation frequency, the first resistance value is inversely proportional to a capacitance value of the first capacitor and the second resistance value is inversely proportional to a capacitance value of the second capacitor.

Claim 30 (previously presented): The Gm-C filter defined in Claim 28, wherein the Gm-C filter circuit exhibits at least a Q_{max} and a Q_{min} and wherein the first compensation frequency is selected to correspond to the Q_{max}.

Claim 31 (original): The Gm-C filter defined in Claim 29, wherein the first OTA device and the second OTA device each comprise:

a first OTA having differential inputs and differential outputs: and